

5 **INTEGRATED DEVICE WITH SURFACE-ATTACHED MOLECULAR**
 MOIETIES AND RELATED MACHINE-READABLE INFORMATION

ABSTRACT OF THE DISCLOSURE

10 The invention provides a device comprising a substrate having a surface capable
of attaching a plurality of molecular moieties, or a surface having a plurality of molecular
moieties attached thereto. The substrate also contains machine-readable information
relating to the molecular moieties. The information may be contained in a discrete region
of the substrate that is non-coplanar with respect to the substrate surface having the
15 plurality of molecular moieties attached thereto. The information may, for example,
relate to the identity of the attached molecular moieties or to instructions for attaching the
molecular moieties. Also provided are methods and machines for forming and using the
devices.

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